

State of Hawaii Annual Report
National Tsunami Hazard Mitigation Program (NTHMP)
FY 2003

by
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The State of Hawaii continues to accelerate its earthquake - tsunami preparedness and mitigation projects through funding from the National Tsunami Hazard Mitigation Program (NTHMP). The coordination of state programs was funded through NTHMP funds and conducted through six partnership meetings of State Earthquake - Tsunami Technical Committees involving Federal, State, County agencies, University of Hawaii (UH), Pacific Disaster Center (PDC), and private sector groups.

FY2003 Activities include:

- Successful Civil Defense Emergency Response to September 25, 2003 Hokkaido Earthquake and Tsunami Watch for Hawaii. (NTHMP funds used to support emergency response efforts.)
- Conducted Periodic Exercises with State Civil Defense staff on Distant Tsunami Emergency Response Procedures.
- Conducted April 1, 2003 Statewide Exercise of revised Urgent (Local) Tsunami Warning Procedures to more rapidly sound sirens and disseminate Emergency Alert System (EAS) message. (NTHMP funding support of exercise)
- Continued Operational Robustness of 8 Newly Installed Coastal Recorders on the island of Hawaii for more rapid PTWC local tsunami detection on the seismically active island of Hawaii (NTHMP contract)
- Completion of a UH Contract to Compare 2-Dimensional (2-D) Modeling Techniques with Existing 1-Dimensional (1-D) Inundation Maps used for Evacuation Maps in the Telephone Book. Two sites examined. Analysis shows 2-D wave penetration into 1-D inundation maps. As a result, State of Hawaii will move forward with targeted upgrading of 1-D maps. (NTHMP contract)
- Near completion of UH Contract to model potentially destructive distant tsunamis from the northwest Pacific Ocean (Kamchatka Peninsula, Kuril Islands, etc.) towards Hawaii. Information to be made available to Pacific Tsunami Warning Center for modeling forecasting.
- Organized Hawaii Tsunami Observer Program (TOP) for Post Tsunami Surveys. Written guidelines established to collect inundation and run up data at pre-selected coastal locations with past historic data. Statewide training workshops conducted in the fall of

2003 with over 50 volunteers trained and certified to conduct coastal surveys. (NTHMP funding support)

- Successful April 2003 Tsunami Awareness Month - Media Workshop Training / Dept. of Education Distance Learning. (NTHMP funding support)
- Continuous Identification of Various Action Items Needed to Facilitate Tsunami Mitigation, Preparedness, Response and Recovery Activities.

Funding for the above activities issues provided through the FY02 NOAA contract.

Awards and Recognition

- Mr. Brian Yanagi, Earthquake-Tsunami Program Manager, received three individual awards as 2003 Employee of the Year for Hawaii State Civil Defense; 2003 Employee of the Year and Adjutant General's Award from the Hawaii National Guard's State Dept. of Defense; and 2003 Governor's Award Honoree for Distinguished State Service.
- The Western States Seismic Policy Council (WSSPC) 2003 Awards in Excellence was presented to Hawaii State Civil Defense for Outstanding Outreach to the General Public in the production of the 30 minute state tsunami safety video: "Tsunami: Waves of Destruction."